

The Radiochemical Measurements Conference

3-8 November '01
Ala Moana Hotel
Honolulu, HI



CO-SPONSORS: Hawaii Department of Health/NRIAQ Branch, Hawaii HPS, Eichrom, USAF, DOE/Idaho Falls, FSU, NIST

OBJECTIVES: Over the past 46 years, the Conference has become the most important forum where professionals can openly and informally discuss works-in-progress and common problems encountered during the development of state-of-the-art methods and procedures for detecting, measuring, and analyzing radioactive materials found in a large variety of environmental and biological media. The unique objective of the Conference is to provide a test crucible for pre-publication ideas, assumptions and approaches where the participants engage in intense straight-forward interactions to share new discoveries, challenge axioms, gain insights, share experiences, learn of the latest developments, seek solutions to technical problems and barriers, debate rational, resolve technical issues, develop solutions and consensus, exam the impact of new policies and regulations, and establish valuable technical contacts. The Conference has been crucial to foster technical excellence and act as a forum for the development of common but essential technical philosophies and practices that are used by federal and state government, national, contract, academic, and regulatory radioassay laboratories nationally and internationally.

In workshops, oral presentations and their defense, posters and discussions, technical workgroup sessions, informal discussions old and new colleagues will meet to find out what is the latest, hottest developments amongst practitioners of bioassay, analytical and environmental radiochemistry. This is a unique Conference where the tricks-of-the-trade are revealed, new ideas are hatched, the embryos of new collaborations are conceived that lead to the widespread use of new sample dissolution (e.g., pyrosulphate fusion, microwave digestion, debates about the efficacy of leaching, and the effect of radionuclide speciation on sample dissolution), anion exchange separations, column

chromatography separations, source preparation (e.g., microprecipitation vs. electrodeposition, and optimization conditions), the guide to combining uncertainties, NIST traceability, pulse shape discrimination, performance evaluation criteria, evaluating results of blind replicate measurements, urine vs. fecal radiobioassay, long-term bio-kinetics of Pu in man, Monte Carlo computation for calibration of whole body and organ *in vivo* radiobioassay, natural-matrix vs spiked certified reference materials, agency policies and regulations, and ASTM and ANSI standards. The Conference has had a rich history that has been influenced by leaders in the community who have been careful stewards of technical knowledge and philosophy and use the venue to encourage and guide openly and freely.

The compilation of abstracts distributed to each registered attendee represents materials submitted by the authors and will not be peer-reviewed or edited. Inclusion in the Conference presentation schedule does not preclude publication in a peer-reviewed journal. The conveners adopted the policy to accepting either regular or extended abstracts to offer authors the opportunity to submit research material that was either complete or still in progress. This policy best achieved the original objectives of the Conference which attempted to establish an opportunity for attendees to discuss new findings and resolve problems of mutual interest related to the analysis of bioassay and environmental samples.

The fundamental benefits for the participants are new ideas and approaches that can be taken back and directly applied in their laboratory or office to improve their capabilities.

*Please note that the Conference costs have been kept as low as possible by scheduling the conference during the off-season travel period, and minimizing the hotel and registration rates.

CONFERENCE AGENDA: This year's Conference, as in past years, will consist of a series of vendor workshops, technical workshops, oral presentations in general technical sessions, poster presentations, and vendor displays. Oral presentations will be assigned to the two morning sessions and the afternoon sessions. The Conference is being organized to offer the participants full discussion of the oral presentations, ample opportunity to study the poster presentations, sufficient time to engage in in-depth discussions with each other and vendors, and flexible enough to accommodate several workshops and related meetings.

CALL for ABSTRACTS and SCOPE: We are currently requesting abstracts for oral and poster presentations from all professionals in the radiation field who are interested in discussing the latest bioassay, analytical and environmental radiochemical techniques and relevant issues. All final abstracts must be submitted by **July 15**. Because of the expanded discussions in the general sessions, only a limited number of abstracts can be assigned to the oral sessions. It is crucial that the abstract clearly point out the uniqueness, new paradigm, major advancement, and/or mystery of the presentation. The Conference organizers are especially interested in receiving abstracts for technological advances in the following areas:

- Sample pre-treatment and dissolution Methods
- Radionuclide Chemistry
- Radioanalytical Methods
- Non-nuclear Techniques (MS, KPA, calorimetry, optical ...)

Instrumentation, Software, and Automation Tools
Metrology Applications

Reference Materials and Certified Reference Materials
Quality Assurance and Quality Control
Intercomparisons
Method Validation and Verification
Performance Evaluation
Traceability Evaluation
Statistical Tools

Naturally Occurring Radionuclides in Terrestrial and Marine Environments
Regulations, Standards, and Compliance Issues
Bioassay, Dosimetry, and Radiation Protection
Environmental Monitoring, Characterization, Remediation and Restoration
Nuclear Waste Characterization and Management
Radionuclide Speciation
Risk Assessment and Management
Environmental and Biokinetic Model Validation
Applications and Research Needs

Abstracts up to five pages including figures, tables, and references will be accepted. The following format is recommended: (1) all abstracts be submitted with page numbers as MS Word or text file attachments by E-mail; (2) the name of the author who will be making the presentation should be underlined; (3) abstracts should be single spaced using a 12 point font; and (4) provide at least a 1" margin on all sides of standard 8.5" by 11" paper.

In addition to abstracts for technical presentations, abstracts for technical and vendor workshops are also being requested at this time. Room reservations for associated meetings are also being requested.

Send technical oral or poster presentation abstracts by e-mail to Bill Burnett (wburnett@mailers.fsu.edu).

Send workshop abstracts by e-mail to Kenneth G.W. Inn (kenneth.inn@nist.gov).

All other correspondence should be directed to Kenneth G.W. Inn (kenneth.inn@nist.gov).

VENDORS: A vendor exhibit will be held at the conference with set up during the morning of 5 November (Monday) and tear down in the afternoon of 7 November (Wednesday.) There will be a welcome reception held Monday evening in the exhibit area. Refreshments will be placed in the exhibit area during all breaks in the technical program on Tuesday and Wednesday.

The cost to exhibit is \$750 if received prior to June 15, 2001. The cost after this date is \$1000. As in the past there will also be a number of sponsorship opportunities.

Additional information will be sent to all interested vendors at a later date. If you have any questions at this time, please contact the vendor liaison:

Teresa Dawson
Eichrom Technologies, Inc.
8205 S. Cass Ave, Suite 111
Darien, IL 60561
Email: tdawson@eichrom.com
Tel 800-422-6693
Fax 630-963-1928

Please send exhibit fees payable to "**The Radiochemical Measurements Conference**" to:

Carol Luskus
AFIERA/SDRR
2402 E Drive, Bld. 140
Brooks AFB, TX 78235-5114 USA
Work phone: 210-536-2213
Work fax: 210-536-3189
Email: Carol.Luskus@brooks.af.mil

THE RADIOCHEMICAL MEASUREMENTS CONFERENCE: Nominees are requested for The Conference Founder's Award. Please e-mail nominations to Kenneth G.W. Inn by 15 July.

SCHEDULE:

15 June	Vendor Commitment Due
15 July	Oral and Poster Abstracts Due; Room Requests for Workshop and Associated Meetings Due; Conference Award nominations Due; Vendor Exhibit Fee Due
30 August	Early Registration Due
15 September	Final Agenda
3-8 November	Conference

Opportunity for Contributions:

Foreign Scientists: Many of us who convene for the Conference each year are fortunate enough to have adequate, even generous, travel money and other financial resources. This support, which allows us to meet, talk, learn, and share ideas and current information, is not always available to those scientists, teachers, and technical experts in many parts of the world whose countries are experiencing political or economic problems. This is unfortunate, because we are deprived of other viewpoints and many personal and scientific experiences in areas of the world where there are current, possible, and probable radiation concerns.

You may contribute toward travel expenses for these scientists, for some of whom the airline ticket

alone costs more than a year's salary. Any amount will be appreciated and will be used (except for postage and cost of checks, etc) strictly for travel and accommodation for attendance at the Conference.

To contribute, make your check to "Science Travel Fund," and mail to:

Science Travel Fund
c/o Mary Wisdom
3013 N. Colonial Drive
Montgomery, AL 36111

Please do ***not*** make your check out to Mary, as this will complicate her life! You will receive a confirmation of your donation by fax, e-mail, or snail mail, at your preference.

Thanks for your support in this effort to make the Conference as international as possible this year and in future years.

For more information, you can e-mail Mary at "wisdom.mary@epa.gov," or "oldwiz@aol.com." Work phone is 334-270-3476, home phone is 334-288-4896.

GENERAL INFORMATION

LOCATION:

Ala Moana Hotel
410 Atkinson Drive
Honolulu, Hawaii 96814-4722
(808) 955-4811

Phones: US and International Toll Free: (888) 367-4811
Toll Free from Neighbor Islands: (800) 446-8990

Reservations Fax: (808) 944-6839 (see attached form)

Web Reservations: www.alamoanahotel.com
email amh.resv@gte.net

ACCOMMODATIONS:

A block of rooms have been reserved at the Ala Moana Hotel. A special rates of **\$89 (Mountain View) and \$95 (Ocean View)**, single or double, plus 12% tax, has been arranged for attendees. To reserve a room, please call the hotel directly **no later than 3 October**, and mention that you are attending **The Radiochemical Measurements Conference**. Reservations made after 3 October are subject to the prevailing rates of the hotel. Check-in time is 3 p.m., check-out time is 12 noon. Reservations must be canceled 24 hours prior to arrival to receive a refund.

CONFERENCE WEBPAGE: <http://www.bioassay.org>

TECHNICAL PROGRAM INFORMATION CONTACT:

Bill Burnett

850-644-6703
email:wburnett@mailers.fsu.edu

Stan Morton
208-526-2186
mortonjs@id.doe.gov

WORKSHOP PROGRAM INFORMATION CONTACT:

Kenneth G.W. Inn
301-975-5541
kenneth.inn@nist.gov

REGISTRATION and REGISTRATION INFORMATION:

On or prior to 30 AUGUST 2001, the registration fee is \$150 , \$75 for students and \$60 for companions. Registration fees paid after this date will be \$200, \$100 for students and \$60 for companions. The registration form and payment must be received by **30 AUGUST 2001** for your name to appear on the preliminary participant's list. Requests for cancellation or refund must be submitted, in writing, to Carol Luskus by **1 SEPTEMBER:**

Carol Luskus
AFIERA/SDRR
2402 E Drive, Bld. 140
Brooks AFB, TX 78235-5114 USA
Work phone: 210-536-2213
Work fax: 210-536-3189
Email: Carol.Luskus@brooks.af.mil

3 Nov '01	4	5	6	7	8
Sat	Sun	Mon	Tues	Wed	Th
Check-in	Continental Breakfast	Continental Breakfast	Continental Breakfast	Continental Breakfast	Continental Breakfast
	Registration	Vendor Setup	Technical Program	Technical Program	Technical Program
	Technical & Vendor Workshops	Workshops			
	Break	Break	Break	Break	Break
	Technical & Vendor Workshops	Workshops	Technical Program	Technical Program	Technical Program
	Lunch	Lunch	Conference Lunch	Lunch	End Conference
	Technical & Vendor Workshops	Workshops	Technical Program	Technical Program	
	Break	Break	Break	Break	
	Technical & Vendor Workshops	Posters	Technical Program	Technical Program	
		Vendor Reception		Business Meeting	
				Vendor Tear down	
				Conference Dinner	

THE RADIOCHEMICAL MEASUREMENTS CONFERENCE

November 3-8, 2001

Honolulu, HI

REGISTRATION FORM

LAST NAME: _____

FIRST NAME: _____

COMPANY/ORGANIZATION: _____

STREET ADDRESS: _____

ROOM NUMBER/MAIL CODE: _____

CITY: _____ STATE: _____ ZIP: _____

COUNTRY: _____ BUSINESS PHONE: _____

EMAIL ADDRESS: _____ FAX: _____

Early Registration fees due by 30 August 2001; late registration will be assessed after this date.

Amount Remitted: \$150 early registration; \$200 late registration
 \$75 student registration; \$100 late student registration
 \$60 companion registration \$60 late companion registration

Companion fee includes the vendor reception and conference dinner.

Form of Payment:

U.S. Check. Make checks payable to "**The Radiochemical Measurements Conference**".

U.S. Wire payment Contact Carol Luskus for instructions

Please return this form by **30 August 2001** to:

Carol Luskus

AFIERA/SDRR

2402 E Drive, Bld. 140

Brooks AFB, TX 78235-5114 USA

Work phone: 210-536-2213

Work fax: 210-536-3189

Email: Carol.Luskus@brooks.af.mil

SPECIAL GROUP ROOM RATES (PER NIGHT)

CATEGORY	SINGLE	DOUBLE	TRIPLE
Waikiki Tower - Mountain View	\$89	\$89	\$114
Waikiki Tower - Ocean View	\$95	\$95	\$120

Room rates are subject to General Excise Tax of 4.16% plus Transient Accommodations Tax of 7.25%.

Reservation form must be received by the hotel no later than October 3, 2001. Reservations received after October 3, 2001 are subject to room availability. Room requests for extended dates will be confirmed on a space availability basis only, and if confirmed, will be done at the group rate.

A one night's deposit by U.S. check/money order or (major) credit card information must accompany the reservation request to guarantee the room. Reservations can also be made by phone or internet. Deposits will be refunded if cancellation notice is received 72 hours prior to arrival time. Adjacent and/or connecting room requests will be confirmed subject to availability only. No charge for children under 18 years of age when occupying room with full paying adult and utilizing existing bedding.

Hotel check-in is 3:00 PM. Check-out time is 12:00 noon.

 DETACH AND MAIL
 (1) form per room

GROUP: Radiochemical Measurements Conference
 DATES: November 3-8, 2001
 PLEASE PRINT:
 NAME: _____

ADDRESS: _____

ARRIVAL DATE: _____ TIME: _____ DEPARTURE DATE: _____ TIME: _____

PHONE: _____ FAX: _____

CATEGORY SELECTED: _____ SGL _____ DBL _____ TPL _____ RATE _____

SHARING ROOM WITH: _____ SMOKING _____ NON-SMOKING _____

CREDIT CARD: AMEX MC VISA CARTE BLANCHE/DINNERS JCB

ACCOUNT NUMBER: _____ EXP. DATE: _____

CARDHOLDER'S NAME: _____
 (Please Print) (Signature)

Deposit of first night's lodging or credit card guarantee must be included with this form. Credit cards will be charged one night room and tax to guarantee the reservation. Please make check payable to ALA MOANA HOTEL and mail to 400 Atkinson Dr., Honolulu, Hawaii 96814-4722, Attn: Group Reservations. Phones: US and International Toll Free: (888) 367-4811; Toll Free from Neighbor Islands: (800) 446-8990; Reservations Fax: (808) 944-6839; Web Reservations: www.alamoanahotel.com